

ABSTRACT OF THE DISCLOSURE

A vacuum envelope of an image display apparatus includes a rear substrate and a front substrate opposed to each other and a sidewall interposed between the rear substrate and the front substrate. An image display surface is formed on an inner surface of the front substrate, and a large number of electron emitting elements that emit electrons toward the image display surface are arranged on an inner surface of the rear substrate. A grid is located between the rear substrate and the front substrate and fixed to the rear substrate. The grid has a thermal expansion coefficient higher than that of the rear substrate.